Specifications

iQ appliance with Intel® Compute Card for SMART Board® interactive displays

Model AM50

Overview

The iQ appliance with Intel® Compute Card is designed specifically to work with SMART Board MX, 6000\(^1\), 6000 Pro\(^2\), 7000, and 7000 Pro series interactive displays to provide a complete all-in-one experience for classrooms. This solution caters to a whole class, a small group, or individual instruction.

When you install the AM50 model of the iQ appliance in a supported interactive display, you have one-touch access to a full suite of SMART education and third-party applications without connecting an external computer. These applications include the powerful whiteboard, a built-in web browser, access to a number of SMART Learning Suite applications, and multi-platform wireless screen sharing. These native iQ applications provide a simple, yet powerful onboard experience that connects student devices and the interactive display.

Install an Intel Compute Card in the appliance to provide a fully functional Windows® 10 solution at your fingertips, without the need for an external PC or cabling. Choose from two different compute card options to provide a consistent room-to-room Windows Full HD experience, including access to apps in the Microsoft® Store for Education.

NOTE
Each Intel Compute Card comes with Windows 10 Pro.

See smarttech.com for more information about the iQ appliance for SMART Board interactive displays.

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\(^1\)See Interactive displays on page 4 under Installation requirements for more information.

\(^2\)See Interactive displays on page 4 under Installation requirements for more information.
Dimensions and weights

Dimensions

![Diagram showing dimensions of the device]

Weight
2 lb. 10 oz. (1.2 kg)

Shipping dimensions
12” W × 3” H × 9 1/4” D
(30.4 cm × 7.5 cm × 23.4 cm)

Shipping weight
3 lb. 2 oz. (1.4 kg)

Hardware

<table>
<thead>
<tr>
<th>Processor</th>
<th>RK3399, Dual-core A72+Quad-core A53, 64 bits, 2 GHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Memory</td>
<td>4 GB DDR3L SDRAM</td>
</tr>
<tr>
<td>Storage</td>
<td>32 GB eMMC 5.1</td>
</tr>
<tr>
<td>Wireless technology</td>
<td>Bluetooth® 4.2</td>
</tr>
<tr>
<td></td>
<td>802.11A/B/G/N/Ac</td>
</tr>
<tr>
<td>Capture options</td>
<td>Establish a Bluetooth wireless connection with a supported mobile device (see below) by scanning the appliance’s unique QR code</td>
</tr>
<tr>
<td>Connectors</td>
<td>HDMI 1.4 (3840 × 2160) output for external monitor (can also be mirrored)</td>
</tr>
<tr>
<td></td>
<td>USB 3.0 Type-A (for iQ)</td>
</tr>
<tr>
<td></td>
<td>USB 3.0 Type-A (for Intel® compute card)</td>
</tr>
<tr>
<td></td>
<td>RJ45 Gigabit Ethernet</td>
</tr>
</tbody>
</table>

3All dimensions ± 1/8” (0.3 cm). All weights ± 2 lb. (0.9 kg).
4Available only for Gen 5 series interactive displays and SMART Board MX series interactive displays.
**Intel Compute Cards**

- Intel Pentium® Processor N4200 (2M cache, up to 2.5 GHz)
- 4 GB LPDDR3-1866 MHz RAM
- Intel HD Graphics 505
- 64 GB embedded storage
- Intel Dual Band Wireless-AC 7265
- Integrated Bluetooth 4.2
- Windows 10 Pro

- Intel Core i5-7Y57 Processor (4M cache, up to 3.30 GHz)
- 8 GB LPDDR3-1866 MHz RAM
- Intel HD Graphics 615
- 128 GB embedded storage
- Intel vPro™ Technology
- Intel Dual Band Wireless-AC 8265
- Integrated Bluetooth 4.2
- Windows 10 Pro

**iQ system software**

**Supported languages**

- Danish
- Dutch
- English
- Finnish
- French
- German
- Italian
- Korean
- Norwegian
- Portuguese
- Russian
- Simplified Chinese
- Spanish
- Swedish
- Traditional Chinese
- Ukrainian
- Vietnamese

**Installation requirements**

**Appliance**

See the *iQ appliance for SMART Board 6000 and 7000 series interactive displays installation instructions* (smarttech.com/kb/171294)

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5AM50 can be ordered with one of the following compute cards. For more information, see ark.intel.com/#/idPanelLabel21325.
## SMART kapp app

| Apple devices | iOS 9 or later operating system software  
|               | 50 MB of storage  
|               | iPhone 4S or later  
|               | Third generation iPad or later  
|               | First generation iPad mini or later  
|               | Fifth generation iPod touch or later  
| Android devices<sup>5</sup> | Android 4.4.4 (KitKat) or later operating system  
|               | 50 MB of storage (internal or SD card)  
|               | 1024 MB of RAM  
|               | 720p or better screen resolution  
|               | Bluetooth 2.1 + EDR  
|               | 3 megapixel or better rear-facing camera (recommended)  

## SMART kapp viewer

| Mobile | Safari for iOS 8.1 or later operating system software  
|        | Chrome for Android 39.0.2171.93 or later  
| Desktop | Internet Explorer 10 or later  
|         | Chrome 39.0.2171.95 or later  
|         | Firefox 34.0.5 or later  
|         | Safari 8.0 or later  

## Interactive displays

| SMART Board 7000 and 7000 Pro series interactive displays | All SMART Board 7000 and 7000 Pro series interactive displays  
| SMART Board 6000 and 6000 Pro with IQ series interactive displays | SPNL-6365-V3 (SMART Board 6065-V3 with IQ and Intel Compute Card interactive display)  
|                                                                | SBID-6365 (SMART Board 6065-V3 with IQ and Intel Compute Card interactive display)  
|                                                                | SPNL-6375-V3 (SMART Board 6075-V3 with IQ and Intel Compute Card interactive display)  
|                                                                | SPNL-6365P (SMART Board 6065 Pro with IQ and Intel Compute Card interactive display)  
|                                                                | SPNL-6375P (SMART Board 6075 Pro with IQ and Intel Compute Card interactive display)  
| SMART Board MX series interactive displays | All SMART Board MX series interactive displays  

## Interactive displays for upgrade

<sup>5</sup>See support.google.com/chromecast/answer/6293757?vid=0-518783598150-1524691699161 for more information.
### SMART Board 6000 and 6000 Pro series interactive displays

- SPNL-6065-V3 (SMART Board 6065-V3 interactive display)
- SBID-6065 (SMART Board 6065-V3 interactive display)
- SPNL-6075-V3 (SMART Board 6075-V3 interactive display)
- SPNL-6065P (SMART Board 6065 Pro interactive display)
- SPNL-6075P (SMART Board 6075 Pro interactive display)

### NOTE
An AM50 iQ appliance is not included with these displays but these displays support the AM50 iQ appliance.

### SMART Notebook™ software
See [SMART Notebook release notes](smarttech.com/kb/171263)

### SMART Meeting Pro™ software
See [SMART Meeting Pro 4 release notes](smarttech.com/kb/170982)

### Storage and operating requirements

<table>
<thead>
<tr>
<th>Power requirements</th>
<th>12–19VDC at 2.5–1.6A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power consumption</td>
<td></td>
</tr>
<tr>
<td>Power consumption at 77°F (25°C) without Intel compute cards</td>
<td>≤30 W</td>
</tr>
<tr>
<td>Power consumption at 77°F (25°C) with Intel compute cards</td>
<td>&lt;60 W</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>41–95°F (5–35°C)</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>-40–140°F (-40–60°C)</td>
</tr>
<tr>
<td>Humidity</td>
<td>85% relative humidity, non-condensing</td>
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</tbody>
</table>

### Certification and compliance

<table>
<thead>
<tr>
<th>Regulatory certification</th>
<th>UL (U.S./Canada), FCC, ISED, CE Mark, RCM Mark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental compliance</td>
<td>REACH, RoHS, WEEE, Battery and Packaging</td>
</tr>
<tr>
<td>U.S.</td>
<td>CONEG Packaging, CA Proposition 65 and Conflict Minerals</td>
</tr>
</tbody>
</table>

### Purchasing information

<table>
<thead>
<tr>
<th>Order number</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>UGK-AM50-EDU</td>
<td>iQ appliance with Intel Compute Card for SMART Board interactive displays</td>
</tr>
<tr>
<td>Description</td>
<td>Details</td>
</tr>
<tr>
<td>----------------------------------------</td>
<td>------------------------------------------------------------------------</td>
</tr>
<tr>
<td>UGK-AM50-PRO</td>
<td>iQ appliance with Intel Compute Card for SMART Board Pro interactive displays</td>
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<tr>
<td>Optional accessories</td>
<td>See smarttech.com/accessories</td>
</tr>
<tr>
<td>Warranty</td>
<td>Three-year limited equipment warranty</td>
</tr>
</tbody>
</table>